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10/588,058	02/26/2007	Mantaro Yajima	2006_1219A	4334

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EXAMINER
HENDERSON, KYANA M

ART UNIT	PAPER NUMBER
2176	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/588,058	YAJIMA, MANTARO
Office Action Summary	Examiner	Art Unit	
	KYANA HENDERSON	2176	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS,
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>02 February 2005</u>.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>27-34</u> is/are pending in the application.
    4a) Of the above claim(s) <u>1-27</u> is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) <u>28-34</u> is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on <u>26 February 2007</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☒ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>08/01/2006</u>.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 08-06)   **Office Action Summary**   Part of Paper No./Mail Date 20090420

DETAILED ACTION

Priority

Should applicant desire to obtain the benefit of foreign priority under 35 U.S.C.

119(a)-(d) prior to declaration of an interference, a certified English translation of the

foreign application must be submitted in reply to this action. 37 CFR 41.154(b) and

41.202(e).

Failure to provide a certified translation may result in no benefit being accorded

for the non-English application.

Specification

The disclosure is objected to because of the following informalities:

- Throughout the section of the Specification having the heading "DISCLOSURE
  OF THE INVENTION PROBLEM TO BE SOLVED BY THE INVENTION," several
  claims that have been cancelled are referenced. For example, Paragraph 0015
  on Page 6 mentions Claim 1, which has been cancelled. All references to
  cancelled claims in the Specification must be deleted from the Specification.

- The phrase "[Fig.1] Fig. 1" in Paragraph 0040 on Page 17 must be amended to
  — [Fig.1] Fig. 1— so that the phrase reads more clearly. Every other phrase
  that references other figures of the Drawings should also be amended similarly.

Appropriate correction is required.

Claim Objections

Claims 28-34 are objected to because of the following informalities:

- The claims do not conform to United States patent practice in that each of the
  independent claims recite three separate "*means to*" perform associated
  functions. For example, Claim 28 recites, "*a means in which to generate and
  store the table format data representing the table format herein*" (see Lines 3-4).
  For each of the "*means to*" recited in Claim 28, it is unclear whether it is further
  defining the previously-recited "*data-fields*" (see Line 2). Claims 33 and 34 have
  the same problem. Applicant must amend the claims to clarify whether the
  recited "*means to*" further defines the previously-recited "*data-fields.*"

Appropriate correction is required.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of
matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the
conditions and requirements of this title.

Claim 34 is rejected under 35 U.S.C. 101 because the claimed invention is

directed to non-statutory subject matter.

Claim 34:

In summary, Claim 34 recites a "*computer-executable program*" (see Line 1) that

performs various functions. For purposes of examination, the examiner interprets the

"*computer-executable program*" to comprise computer software modules for performing

the functions. Thus, the recited "*computer-executable program*" is software per se.

Accordingly, the recited "*computer-executable program*" is not a "process," a

"machine," a "manufacture" or a "composition of matter," and Claim 34 fails to recite

statutory subject matter, as defined in 35 U.S.C. 101.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public

use or on sale in this country, more than one year prior to the date of application for patent in the United

States.

Claims 28-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Takeda et al

(United States Patent 5,228,100), hereinafter referenced as Takeda.

Claim 28:

Takeda discloses *a method in an information processing apparatus for*

processing data in a table format wherein a plurality of data-fields are disposed, having:

a means in which to generate and store the table format data representing the table

format herein (Column 8, Lines (26-50) → Takeda discloses this limitation by storing the

table in memory area 970 and generating a table is the format data area 982);

a means to input specific information to the table format (see figure 1→ Takeda

discloses this limitation by having an image "***input***" device 93);

a means to display the table format based on the corresponding table format data (see

figure 1 → Takeda discloses this limitation by having a console 91 that "***displays***" data ;

and means storing data files (See Figure 1→ Takeda discloses this limitation by storing

data files in step 99);

said method comprising:

(1) *defining the corresponding item name of each data-field based on the table format*

data or a first specific inputted information (Column 35, Lines (23-43), see figures 90A-

90C → Takeda discloses this limitation by the item name defines the field);

(2) *specifying a difference condition definition data for a specific couple of a first area*

and a second area included in a data-field or data-fields correlated to a specific item

name, by interpreting a second specific information inputted in connection with said

specific data-field or data-fields, the difference condition definition data representing the

difference regarding the data- input condition of a second area from that of the

corresponding first area in said data-field or data-fields (Column 34, Lines (62- all &

Column 35 to Line 5)Takeda discloses this limitation stating where the different

condition for the data field of the first and the second area are being specified);

(3) *recognizing a couple of two data-areas, a first data-area and a second data-area in*

said specific data-field or data-fields on the basis of the table format data,

wherein the two data-areas share in common a specific positional relationship with one

data-area included in each of the data-fields correlated respectively to each of the other

item names (Column 34, Lines 62- all & Column 35 to Line 5; and Column 23, Lines (

56-68) → Takeda discloses this limitation by having the directional position difference

by having d1 and d2). In addition Takeda discloses this limitation of the positioning here

as well) ;

(4) *identifying the second area between said two areas by a specific information*

inputted in connection with it or by its position relative to the corresponding first data-

area on the table format (Column 34, Lines 62-all and Column 35 to Line 5 → Takeda

discloses this limitation by being more specific as it relates to the position being relative

of the second area) *; and*

(5) *outputting data into each of the second areas included in said data-field or data-*

fields in the table format from a source data file, by repeating, on each of said second

areas, the following sequence (Column 25, Lines (13-33) → Takeda discloses this

limitation by keep repeating the order till it finishes getting all the information from the

source file) :

(5a) *recognizing the combination set of the all data -areas with each of which the first*

area and the second area share in common said specific positional relationship(

Column 34, Lines (62- all and Column 35 to Line 5) →Takeda discloses this limitation

by having the recognization of the data areas that share a positional relationship);

(5b) *identifying the first record that is the combination set of said data to be referenced*

at the same time together with the data in the first area, on the basis of said

combination set of the all data –areas (Column 23, Lines (41-50) → Takeda discloses

this limitation of having and identifying the content of an area) ;

(5c) *generating the second record that is the combination set of data to be referenced at the same time together with the data in the second area, by changing the first record identified for the corresponding first area on the basis of the specified difference condition data* (Column 25, Lines (18-32)→ Takeda discloses this limitation by having the record of a first area change when the record of the second area changes for the calculation ; and

(5d) *outputting a data of the corresponding item in a record from a source data file to the second area in the said specific data-field in the table format, by comparing the second record with each record fetched from a source data file* (Column 3, Lines (16-31) → Takeda discloses this limitation of outputting data from a source data file, and where a comparison is performed to update the table).

Claim 29:

   Takeda discloses *the method of claim 28, wherein the difference condition data is specified by a specific written information including a character string in the table format* (Column 17, Lines (13-42), see Figures 30 & 31 → Takeda discloses this limitation by having step 2183a to generate a *"character string"* .

Claim 30:

   Takeda discloses *the method of claim 28, wherein the second area is discriminated from the first area by a specific written information in the table format including a symbol or a graphic in the table format* (See Figure 50A) → Takeda

discloses this limitation by having substituting the written information with the use of *"**symbols**"* and above the symbols show what they represent.

Claim 31:

    Takeda discloses the method of claim 28, wherein the second record is generated by replacing the data of a specific item in the first record by a second data value, the specific item and the second data value being respectively designated by the difference condition data (Column 25, Lines (40-45), and Figures 56 & 57 → Takeda discloses this limitation by having the second record replacing the first and give a specific item name and value.

Claim 32:

    The method of claim 31, wherein the difference condition data is specified by a written text in the table format, wherein the portion of the text representing the specific item name is marked with a first specific kind of graphic, and the portion of the text representing the specific data value is marked with a second specific kind of graphic (Column 25 , Lines (54-59) and see Figure 59 → Takeda discloses this limitation by having the graphic by the item name).

Claim 33:

    Claim 33 recites *a information processing apparatus for processing data in a table format wherein a plurality of data-fields are disposed, having;*

a means in which to generate and store the table format data representing the table

format herein (see claim 28);

a means to input specific information to the table format (see claim 28);

a means to display the table format on the basis of the corresponding table format

data (see claim 28);

and a means storing data files (see claim 28);

said apparatus comprising:

(1) *means for defining the corresponding item name of each data-field based on the*

table format data or a first specific inputted information (see claim 28);

(2) *means for specifying a difference condition definition data for a specific couple of a*

first area and a second area included in a data-field or data-fields correlated to a

specific item name, by interpreting a second specific information inputted in connection

with said specific data-field or data-fields ,the difference condition definition data

representing the difference regarding the data- input condition of a second area from

that of the corresponding first area in said data-field or data-fields (see claim 28);

(3) *means for recognizing a couple of two data-areas, a first data-area and a second*

data-area in said specific data-field or data-fields on the basis of the table format data,

wherein the two data-areas share in common a specific positional relationship with one

data-area included in each of the data-fields correlated respectively to each of the other

item names (see claim 28);

(4) *means for identifying the second area between said two areas by a specific*

information inputted in connection with it or by its position relative to the corresponding

first data-area on the table format (see claim 28); *and*

(5) *outputting data into each of the second areas included in said data-field or data-*

fields in the table format from a source data file, by repeating, on each of said second

areas, the following sequence (see claim 28):

(5a) *recognizing the combination set of the all data -areas with each of which the first*

area and the second area share in common said specific positional relationship (see

claim 28);

(5b) *identifying the first record that is the combination set of said data to be referenced*

at the same time together with the data in the first area, on the basis of said

combination set of the all data –areas (see claim 28);

(5c) *generating the second record that is the combination set of data to be referenced at*

the same time together with the data in the second area, by changing the first record

identified for the corresponding first area on the basis of the specified difference

condition data (see claim 28); *and*

 (5d) *outputting a data of the corresponding item in a record from a source data file to*

the second area in the said specific data-field in the table format, by comparing the

second record with each record fetched from a source data file (see claim 28).

Claim 34:

        Claim 34 recites *a computer-executable program or a memory medium storing a*

computer-executable program, the program realizing a method in an information

processing apparatus for processing data in a table format wherein a plurality of data-

fields are disposed, having:

a means in which to generate and store the table format data representing the table

format herein (see claim **28**)*;*

a means to input specific information to the table format (see claim **28**);

a means to display the table format based on the corresponding table format data (see

claim **28**);

and means storing data files (Claim **28**) *;*

said method comprising:

(1) *defining the corresponding item name of each data-field based on the table format*

data or a first specific inputted information (see claim **28**);

(2) *specifying a difference condition definition data for a specific couple of a first area*

and a second area included in a data-field or data-fields correlated to a specific item

name, by interpreting a second specific information inputted in connection with said

specific data-field or data-fields, the difference condition definition data representing the

difference regarding the data- input condition of a second area from that of the

corresponding first area in said data-field or data-fields (see claim **28**);

(3) *recognizing a couple of two data-areas, a first data-area and a second data-area in*

said specific data-field or data-fields on the basis of the table format data,

wherein the two data-areas share in common a specific positional relationship with one

data-area included in each of the data-fields correlated respectively to each of the other

item names (see claim **28**);

(4) *identifying the second area between said two areas by a specific information inputted in connection with it or by its position relative to the corresponding first data-area on the table format* (see claim 28); *and*

(5) *outputting data into each of the second areas included in said data-field or data-fields in the table format from a source data file, by repeating the sequence consisting of the following steps on each of said second areas* (see claim 28);

(5a) *recognizing the combination set of the all data -areas with each of which the first area and the second area share in common said specific positional relationship* (see claim 28);

(5b) *identifying the first record that is the combination set of said data to be referenced at the same time together with the data in the first area, on the basis of said combination set of the all data –areas* (see claim 28);

(5c) *generating the second record that is the combination set of data to be referenced at the same time together with the data in the second area, by changing the first record identified for the corresponding first area on the basis of the specified difference condition data* (see claim 28); *and*

(5d) *outputting a data of the corresponding item in a record from a source data file to the second area in the said specific data-field in the table format, by comparing the second record with each record fetched from a source data file* (see claim 28).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KYANA HENDERSON whose telephone number is (571)270-7252. The examiner can normally be reached on Monday to Friday 7am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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